

128

What is claimed is:

Sub A17

1. A system for processing program information comprising program information storage means for storing program information, and program table display means for a two-dimensional display according to a designation of two-axes attributes when two attributes from among program information attributes are used for two axes of a program table.
2. A system for processing program information as claimed in claim 1, further comprising attribute input means through which the two-axes attributes used for two-dimensionally displaying the program table are input, and program table making means for retrieving program information in program information stored in the program information storage means on the basis of said input attributes to make the program table, said program information display means displaying the program table from the program table making means.
3. A system for processing program information as claimed in Claim 2, wherein the program table making means has the functions of retrieving program information stored in the program information storage means and classifying said program information.

4. A system for processing program information as claimed in Claim 2, wherein another attribute is selected or add to the two-axes attributes of the program table to change over the display.
5. A system for processing program information as claimed in Claim 2, wherein the display is possible at the condition of culling a portion needless to be displayed when displaying the program table.
6. A system for processing program information as claimed in Claim 5, wherein the original program table can be restored when displaying the program table.
7. A system for processing program information as claimed in Claim 2, wherein an attribute relative to the program can be selected to change over the display.
8. A system for processing program information as claimed in Claim 2, wherein a new attribute can be added to and an attribute can be deleted from the program table in accordance with a selection of the attribute by a user or an input from another system.

09108506-070198

9. A system for processing program information as claimed in Claim 1, wherein information registered by a user can be designated as an attribute of the program table.

5 10. A system for processing program information as claimed in Claim 2, wherein, when there are plural programs in a same time zone, they can be used for a program check of the same time zone without expanding the display area by displaying them one upon another as they
10 are shifted rearward little by little, and displaying them at the front one by one.

11. A system for processing program information as claimed in Claim 2, wherein three-axes attributes of the
15 program table are selected by a user to display information as a three-dimensional shape.

12. A system for processing program information as claimed in Claim 2, wherein the attributive structure of a
20 word relative to an attribute of the program table can be extracted from program information.

13. A system for processing program information as claimed in Claim 2, wherein an outline so far, pictures or
25 sounds of a program can be stored to display and play back

0910506-070198

them.

14. A system for processing program information as claimed in Claim 2, wherein, when a channel or a program is selected as an attribute of the program table, it is possible that the channel is changed over to the picture of the program and program relation information is displayed if the program is on the air at present, and only information relative to the program is displayed if the program is off the air.

15. A system for processing program information as claimed in Claim 2, wherein, a channel is selected as an attribute of the program table, advertisements and program relation information can be displayed in accordance with the time schedule of programs in the channel.

16. A system for processing program information as claimed in Claim 2, wherein program information, program relation information, program information renewal information, information registered by a user, a program, a picture, or a sound can be transmitted and received.

17. A system for processing program information as claimed in Claim 2, wherein an image sequence made by a

user can be transmitted and received to be displayed in a portion of the program table.

18. A system for processing program information as claimed in Claim 2, wherein it is possible that program information selected by a user is transmitted and the number of people viewing the same program is calculated to display the result in a portion of the program table as an audience rating or the number of audience.

10

19. A system for processing program information, wherein program information including an index for retrieving a program can be transmitted and received.

15

20. A system for processing program information as claimed in Claim 19, wherein a user attribute is maintained at the receiver side to retrieve program information including an index for retrieving a program, on the basis of the user attribute.

20

21. A system for processing program information as claimed in Claim 19, wherein, when a retrieval was unsuccessful with program information including an index for retrieving a program, at the receiver side, a retrieval and an automatic classification are carried out

25

09108506-070198

at the transmitter side and the result is transmitted to the receiver side.

22. A system for processing program information as
5 claimed in Claim 20, wherein, when a retrieval as claimed
in Claim the user attribute was unsuccessful with program
information including an index for retrieving a program,
at the receiver side, a retrieval and an automatic
classification according to the user attribute are carried
10 out at the transmitter side and the result is transmitted
to the receiver side.

23. A system for processing program information as
claimed in Claim 2, wherein a designated program can be
15 recorded, reserved for recording or played back in
accordance with a designation of a user or an input from
another system.

24. A system for processing program information as
20 claimed in Claim 2, wherein programs recorded or reserved
for recording can be displayed along the time of the
program table.

25. A system for processing program information as
25 claimed in Claim 2, wherein a recorder is provided for

0510505-070198
86T020-90580750

recording information of the program viewed by a user, and a relationship with recorded program information is examined in all programs and the program is displayed when it is judged that the relationship is high.

5

26. A system for processing program information as claimed in Claim 2, wherein it can be shown whether a performer of the program appears on a certain day or not.

10

27. A system for processing program information as claimed in Claim 2, wherein the system has fitting degree calculation means for calculating a fitting degree between program information and each piece of program classification information, and program classification

15

means in which, to one given piece of program classification information and a program information set, a fitting degree of each piece of program information in the program information set to program classification information, is calculated by using the fitting degree

20

calculation means to obtain a subset of the program information set having a fitting degree not less than a given threshold value, and a line of the program

classification predetermined or designated by a user is taken as one or more attributes of the program table to

25

display it by the program table display means.

09108506-070198

28. A system for processing program information as claimed in Claim 2, wherein the system has fitting degree calculation means for calculating a fitting degree between
5 program information and each piece of program classification information, and program classification means in which, as to one given piece of program classification information and a program information set, a fitting degree of each piece of program information in
10 the program information set to program classification information, is calculated by using the fitting degree calculation means to obtain a subset of the program information set having a fitting degree not less than a given threshold value, and the program table display means
15 displays only a program classified into a program classification predetermined or designated by a user so that it can be distinguished from another program in the program table without depending on the form of the program table.

20

29. A system for processing program information as claimed in Claim 2, further comprising program information designation means for designating a subset as to a program information set stored in the program information storage
25 means, relative key word extraction means for extracting a

09108506-070198

characteristic word set characterizing the subset from the subset of program information designated by the program information designation means, and program information extraction means for extracting characteristic word information from the designated subset by using the relative key word extraction means and extracting program classification information for discriminating and classifying program information similar to program information in the subset.

10

30. A system for processing program information as claimed in Claim 27, wherein program classification information is transmitted from a user side terminal to a server side terminal, program information is classified by the program information classification means at the server side, and only program information classified into program classification information transmitted from the user side terminal is transmitted to the user side terminal.

09108506-070198